

(12) UK Patent Application (19) GB (11) 2 220 282 (13) A
(43) Date of A publication 04.01.1990

(21) Application No 8815690.6

(22) Date of filing 01.07.1988

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(51) INT CL⁴

G04B 37/00, G01D 11/24

(52) UK CL (Edition J)

G3T TA2A

G1J J7

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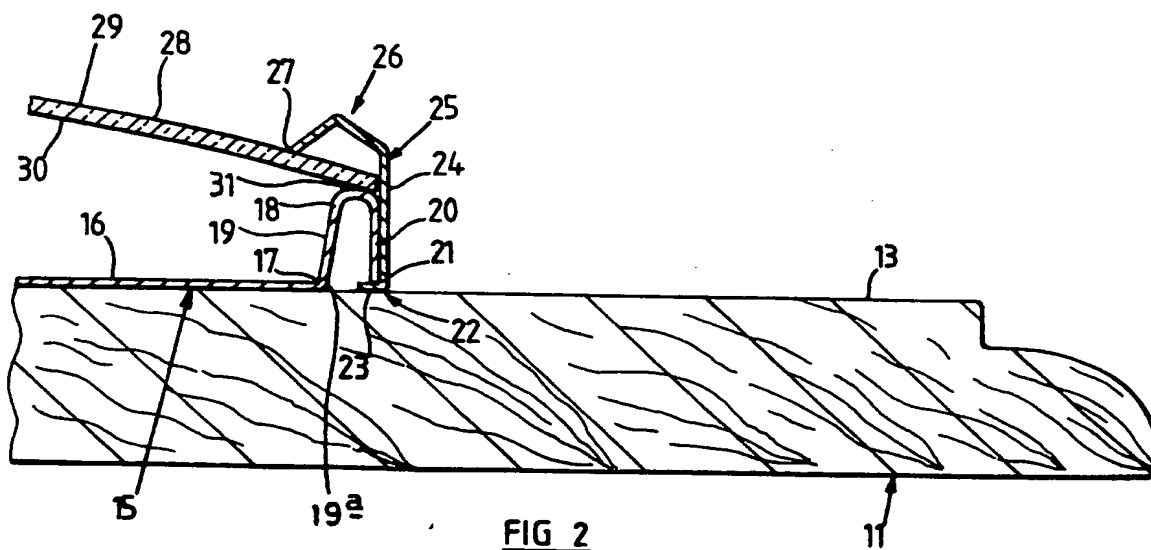
(58) Field of search

UK CL (Edition J) G1J, G3T

INT CL⁴ G01D, G04B

(54) Improvements relating to a casing

(57) A casing for a clock, barometer or the like comprises a base plate (15) having a peripheral rebated flange (18) in which a peripheral flange (23) of a bezel (25) is mechanically inter-engaged to retain a closure member (29), e.g. a glass, between the bezel (25) and an upper edge (31) of the rebated flange (18).



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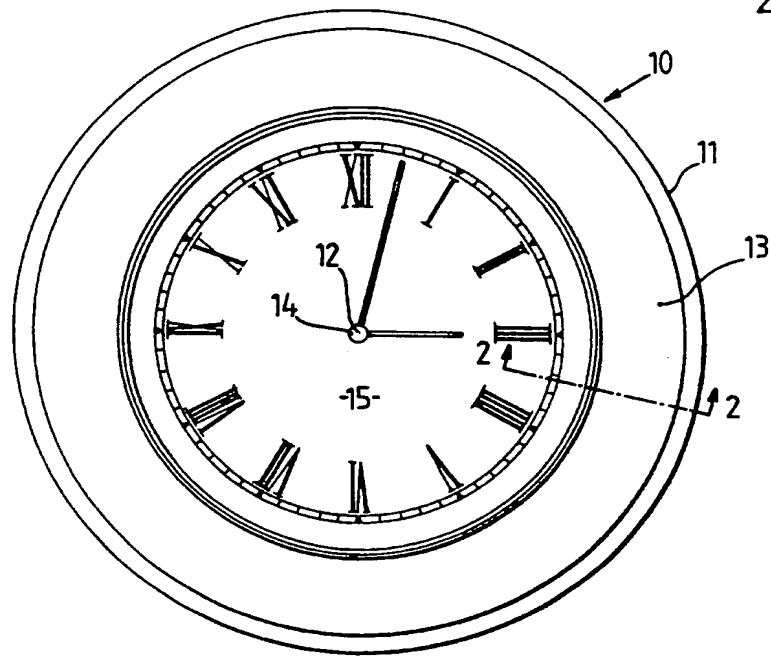


FIG 1

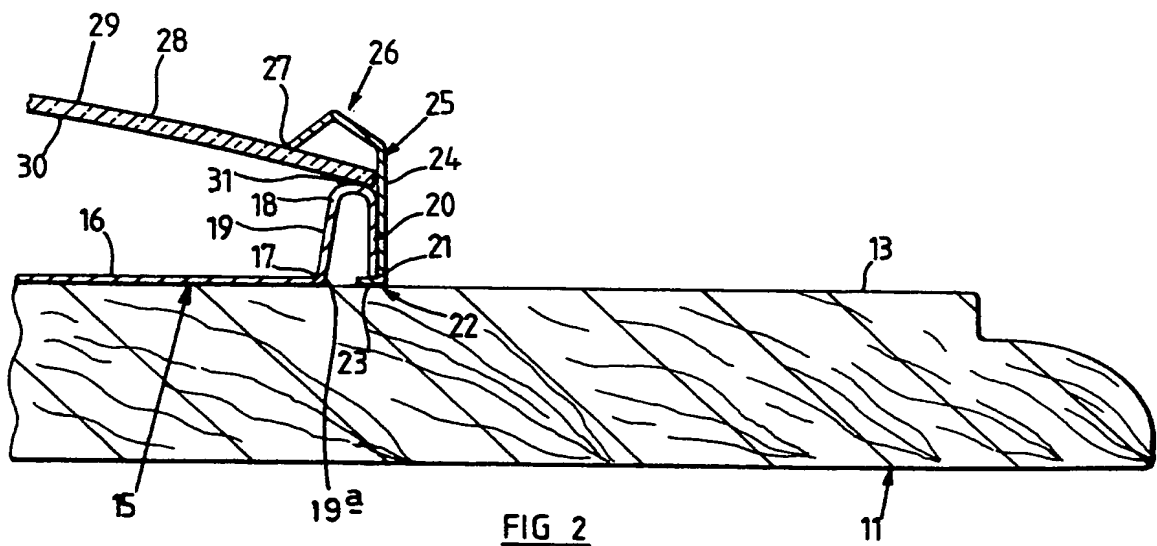


FIG 2

Title: "Improvements relating to a casing"

Description of Invention

This invention relates to a casing and more particularly, but not exclusively, to a casing for a clock, barometer, or the like.

According to the present invention we provide a casing comprising a base plate and a bezel in mechanical inter-engagement to retain a closure member therebetween.

The base plate may have a recess in a peripheral part thereof and the bezel may have a projection which is received in the recess to provide said mechanical inter-engagement.

The recess may extend around the periphery of the base plate and the bezel may have a corresponding peripherally extending projection.

The recess may be a peripherally extending rebate and the projection a peripherally extending flange.

The base plate may comprise a central planar part, having an upstanding flange around the outer periphery of the planar part, an upper edge part of the flange providing a seat for the closure member, against which the closure member is retained by the bezel.

The flange may be of generally inverted U-shape in cross-section, one limb of the U being connected to the planar part and the other limb of the U being disposed outwardly of said one limb and terminating at a level above the level of the under-surface of the one limb, so as to provide said rebate in combination with said one limb.

The base plate may be adapted to be fastened to a backing member.

The base plate may be printed with indicating means such as a conventional clock face marking.

The base plate may comprise a metal pressing or spinning, in for example, mild steel or aluminium or may be made in a synthetic plastics material by, for example, injection moulding.

The invention will now be described by way of example with reference to the accompanying drawings;

FIGURE 1 is a plan view of a clock in a casing embodying the invention, and

FIGURE 2 is a cross-section on the line 2-2 of Figure 1 to an enlarged scale.

Referring to the drawings, there is shown a clock 10 comprising a body 11 behind which a clock mechanism, not shown, is provided. A conventional centre spindle 12 projects from the front surface 13 of the body 11 and extends through a central opening 14 of a base plate 15, which is fastened to the body 11 by screws or any conventional means. The body 11 thus affords a backing member for the base plate 15.

The base plate 15 comprises a central circular disc part 16

having at its outer periphery 17 a circumferentially extending flange 18 of generally inverted U-shape in cross-section. One limb 19 of the U is connected at its lower end 19a to the disc 16 around the periphery 17 thereof, as a result being formed integrally therewith, for example, by a pressing or spinning operation, whilst the other limb 20 terminates at a position 21 which is spaced above the level of the lower end of the limb 19 by a distance equal, in the present example, to the thickness of the material of which the base plate is made. There is therefore provided a rebate 22 in the peripheral flange 18.

Received within the rebate 22 is an inwardly directed annular flange 23 formed at the lower end of a generally cylindrical wall 24 of a bezel 25. The bezel 25 has a rim 26 of inverted V-shape in cross-section and the free end 27 of the rim 26 engages an outwardly facing surface 28 of a glass closure member 29 so as to retain an inwardly facing surface 30 of the closure member 29 in engagement with an upper edge part 31 of the flange 18.

In use, the glass closure member 29 is engaged with the bezel 26 by manipulating the bezel flange 23 past the periphery of the closure member 29, and then the assembly of closure member and bezel is offered up to the base plate so that the flange 23 snaps into the rebate 22 to provide a mechanical inter-engagement within the base plate and bezel which retains the closure member 29 therebetween.

Preferably, the base plate disc part 16 is pre-printed with indicating means such as a conventional clock face marking.

A casing according to the invention may be utilised in any desired application and it may for example be utilised where there

is a barometer mechanism behind the body part 11 or in any other desired application. For example, no aperture 14 may be provided in the base plate, in which case the whole of that which it is desired to encase would be positioned between the base plate and glass closure member. If desired, the closure member 29 may be of other shape than that described hereinbefore and may be made of other material than glass. If desired, the base plate, bezel, and closure member may be of other than circular shape, for example, oval or polygonal such as square or hexagonal with a respective flange, of the same cross-sectional shape as hereinbefore described, extending around the respective periphery.

In this example, the base plate and bezel are made of metal such as mild steel or aluminium or brass but may be made of any other suitable material such as synthetic plastics material in which case they may be made by injection moulding. If desired, the base plate may be made of different material and/or by a different technique other than the bezel.

The features disclosed in the foregoing description in the following claims, or the accompanying drawing, expressed in their specific forms or in terms of a means for performing the disclosed function, or a metal or process for attaining the disclosed result, or a class or group of substances or compositions, as appropriate, may, separately or any combination of such features, be utilised for realising the invention in diverse forms thereof.

CLAIMS

1. A casing comprising a base plate and a bezel in mechanical inter-engagement to retain a closure member therebetween.
2. A casing according to claim 1 wherein the base plate has a recess in a peripheral part thereof and the bezel has a projection which is received in the recess to provide said mechanical inter-engagement.
3. A casing according to claim 2 wherein the recess extends around the periphery of the base plate and the bezel has a corresponding peripherally extending projection.
4. A casing according to claim 3 wherein the recess is a peripherally extending rebate and the projection a peripherally extending flange.
5. A recess according to claim 4 wherein the base plate comprises a central planar part, having an upstanding flange around the outer periphery of the planar part, an upper edge part of the flange providing a seat for the closure member, against which the closure member is retained by the bezel.
6. A casing according to claim 5 wherein the flange is of generally inverted U-shape in cross-section, one limb of the U being connected to the planar part and the other limb of the U

being disposed outwardly of said one limb and terminating at a level above the level of the under-surface of the one limb, so as to provide said rebate in combination with said one limb.

7. A casing according to any one of the preceding claims wherein the base plate is adapted to be fastened to a backing member.

8. A casing according to any one of the preceding claims wherein the base plate is printed with indicating means such as a conventional clock face marking.

9. A casing substantially as hereinbefore described and with reference to the accompanying drawings.

10. Any novel feature or novel combination of features as disclosed herein and/or shown in the accompanying drawings.